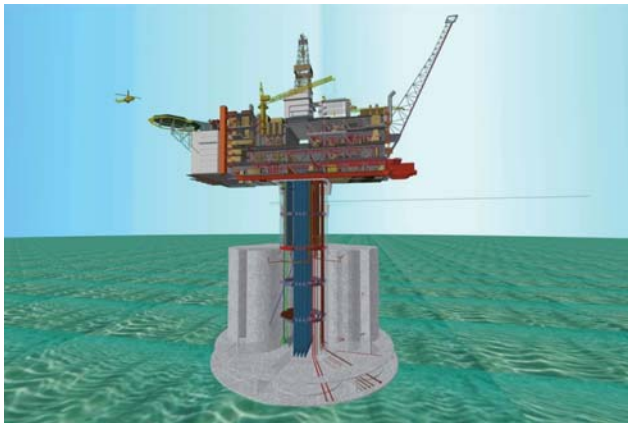


Hebron Project Team

Hebron

Hebron is a heavy oil field estimated to contain 660-1055 million barrels of recoverable resources. The field was first discovered in 1980, and is located offshore Newfoundland and Labrador in the Jeanne d'Arc Basin 350 kilometres southeast of St. John's, the capital of Newfoundland and Labrador.



The Hebron Project includes offshore surveys, engineering, procurement, fabrication, construction, installation, commissioning, development drilling, production, operations and maintenance and decommissioning of an offshore oil / gas production system and associated facilities.

Hebron is a major project that will deliver significant benefits to Canada, particularly to Newfoundland and Labrador: engineering, fabrication and construction, employment and training of a diverse workforce, research and development opportunities, along with significant royalty and tax revenues.

ExxonMobil



SUNCOR
ENERGY

nalcor
energy

Statoil

The Hebron co-venturers are:

ExxonMobil Canada Properties	36.0%
Chevron Canada Resources	26.7%
Suncor Energy Inc.	22.7%
Statoil Canada	9.7%
Nalcor Energy	4.9%

ExxonMobil Canada Properties is the operator of the Hebron Project.

For more information, please visit:
www.hebronproject.com

Combined Experience Means Excellent Deliverables



The Hebron Field will be developed using a stand-alone, concrete gravity based structure (GBS) production platform. Kiewit-Kvaerner Contractors (KKC), a 50/50 partnership between Peter Kiewit Infrastructure Co. and Kvaerner, was awarded the contract by ExxonMobil Canada Properties (EMCP) for the Hebron GBS Project.

The GBS will consist of a reinforced concrete structure designed to withstand the weight of the topsides, icebergs, and meteorological and oceanographic conditions at the offshore Hebron Project Site. The total platform will be installed in approximately 95 metres water depth at the Grand Banks offshore Newfoundland and Labrador, Canada.

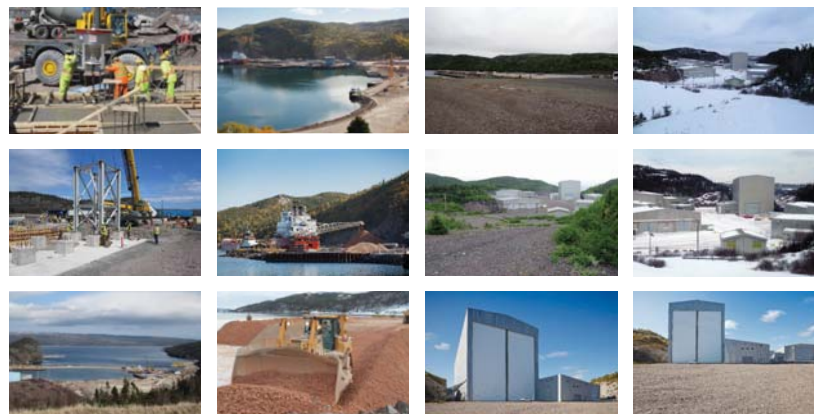
The GBS will be designed to store approximately 1.2 million barrels of crude oil in multiple separate storage compartments.

Peter Kiewit Infrastructure Co. and Kvaerner have a long history of working together, which includes work on the Hibernia GBS Project and White Rose floating production, storage and offloading (FPSO) vessel. With over 125 years of construction experience, Kiewit is one of North America's largest and most respected construction and mining organizations. Kvaerner has completed some 20 GBS projects over the last 40 years, making it the leading GBS contractor worldwide.

Bull Arm Site



Work in Progress



WorleyParsons was awarded the contract for front-end engineering and design work and to provide detailed engineering, procurement and construction of the Hebron topsides platform.

Topsides components include the Utilities & Process Module, Drilling Support Module, Derrick Equipment Set, Living Quarters, Flare Boom, Helideck and Lifeboat Stations.

The topsides components will be installed and integrated on the Bull Arm topsides assembly pier constructed for the Hibernia Project in the 1990's. The final integrated topsides, weighing more than 40,000 tonnes, will then be floated to the deep water site for integration with the gravity based structure.

WorleyParsons, working with Fluor, will provide overall project management of the contract with sub-contracts to be awarded to multiple third parties, with a special emphasis on performing work in Newfoundland and Labrador.



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topsidessiteproject.worleyparsons.com

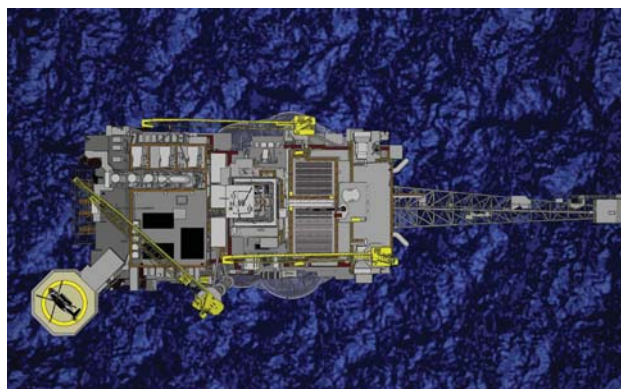
Hebron Drilling and Production Platform



View Looking Northwest



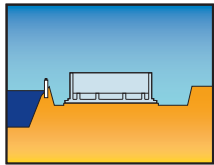
View Looking North



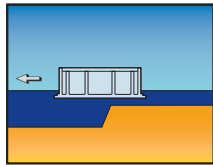
View From Above

Kiewit-Kvaerner Contractors Gravity Based Structure Construction Planning

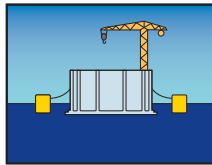
GBS Construction Sequence



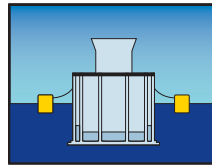
GBS Construction in Dry Dock



Tow out to Deep Water Site



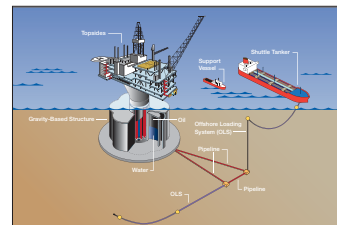
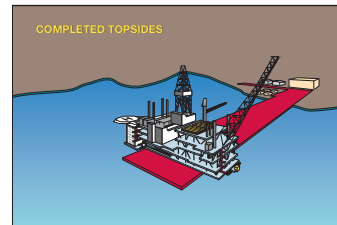
GBS Construction at Deep Water Site



Ready for Mating

Overall Hebron Platform Execution Basis

- GBS construction in Dry Dock- civil and mechanical outfitting (MOF)
- Tow out and installation at deep water site (DWS)
- GBS construction at DWS – civil and MOF including solid ballast
- Assembly of Topsides at nearby pier
- Float over and deck mating at DWS
- Hook-up and Commissioning Topsides-GBS
- Tow out and installation at offshore location, including grouting

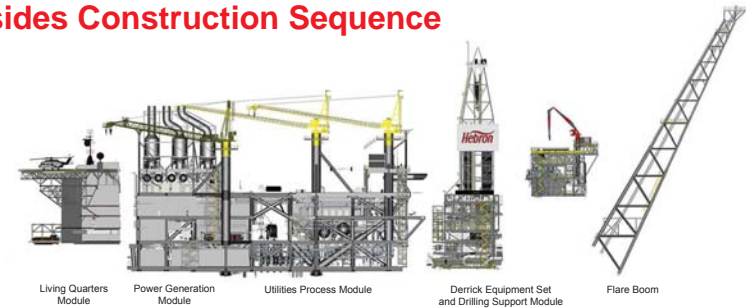


GBS Key Quantities

• Water depth	93 m (Mean Sea level)
• Height of GBS	120 m
• Diameter of GBS Base	130 m
• Shaft diameter	35 m
• Concrete volume	132,000 m ³
• Rebar (density approx. 325 kg/m ³)	40,000 t
• Post tensioning steel	3,400 t
• Steel skirts	400 t
• Mechanical Outfitting (Piping systems & Structural steel)	5,500 t
• Well Slots	52

WorleyParsons Topsides Construction Planning

Topsides Construction Sequence



Topsides Platform Execution Basis

- Utilities Process Module (UPM) transferred to pier via heavy lift vessel
- Drill Support Module (DSM) & Drill Equipment Set (DES) installed and integrated onto UPM
- Living Quarters Module (LQM), Helideck and West Lifeboat Station transferred to barge and installed onto UPM
- East Lifeboat Station and Flare Boom lifted and installed onto UPM
- Complete all module integration connections and commissioning
- Integrated Topsides floated to the Bull Arm deep water site for mating and hook-up with the GBS

Topsides Key Metrics

• Length of Topsides	~ 130 m
• Width of Topsides	~ 64 m
• Height of Topsides (excluding derrick)	~ 40 m
• Topsides Weight (estimated)	36,000 – 45,000 t
• Crude oil production	150-180 kbd
• Water production	200-350 kbd
• Water injection	270-470 kbd
• Gas handling	215-300 MSCFD
• Heavy crude (estimated)	API 19° crude
• Accommodations	Persons On Board (POB) - 220



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www.kkc-gbs.com



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Delivering Extraordinary Safety Performance...

Leaving a Lasting Legacy

Being safe means everybody goes home to the people they love.



Observation and intervention from SAZ cards

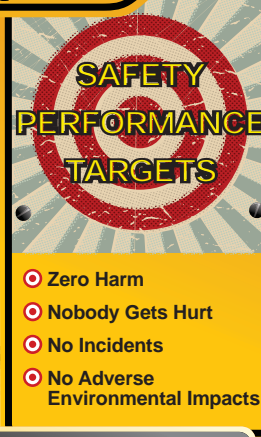
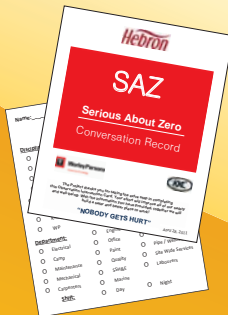
"A camp subcontractor worked standing on a milk crate for his work. Stopped the work and asked him to get a small step ladder. One was obtained."

"Good attitude amongst workers and management. Makes a good workplace and an enjoyable place to work."

"Excavator operator was travelling to the dock and would not pass by overhead power lines until spotter was in place."

"Trucks are moving at a safe speed and workers are crossing the road at designated area, near the lunch room."

"Trucks had aerosol cans of glass cleaner in their cabs. Since this is not permitted in trucks or equipment, I visited each truck at the start of shift and removed and replaced them with plastic glass cleaner containers."



Visitor responsibilities

- Follow all safety rules.
- Wear the proper PPE.
- Do not perform any task that has not been planned or when safety is not an integral part of the process.
- Do not start any operation without reading, understanding and signing the hazard analysis first.
- Follow the directions given by security staff on site.
- Abide by all site signage posted throughout the site.
- Only visit areas that are specifically identified as approved for access on the site access request form.
- Report all unsafe acts or conditions to a staff member or supervisor immediately.
- Report all incidents or "Near Misses" and injuries to a staff member or supervisor immediately.
- Visitors will be accompanied at all times.



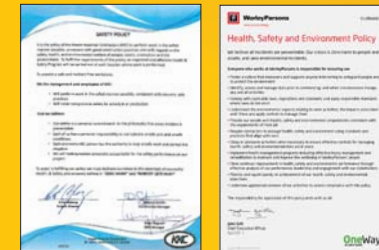
Minimum mandatory Personal Protective Equipment (PPE)

The minimum Personal Protection Equipment (PPE) is as follows:

- Hard Hat, Safety Glasses, High Visibility Reflective Vest, Safety Boots and Gloves must be worn at all times in work areas
- Long-sleeve shirts and long pants (no sweatpants or nylon pants allowed)
- Other specialty PPE as per approved Job Hazard Assessment (JHA)



Safety Policies



Keep in mind every visitor on site has a responsibility to protect the environment. Report sightings of interesting wildlife to supervisors.

"Never walk past an unsafe act or condition".

Questions? Complete your Visitor Safety & Environmental Orientation.




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Contractors committed to Health, Safety, Environment and Community

 **WorleyParsons**
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THE HEBRON TOPSIDES PROJECT

**Incorporating environmental
and social sustainability into
Topsides design and construction**



Delivering profitable
sustainability **EcoNomics™**
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 **World Leaders
in Gravity Based Structures**

THE HEBRON GBS PROJECT

We all work **SAFELY** so everyone gets
to go **HOME** to the **FRIENDS**
and **FAMILY** they **LOVE**.



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THE HEBRON TOPSIDES PROJECT

**OneWay™ incorporates
health, safety and
environment into all
aspects of Topsides
design and construction**



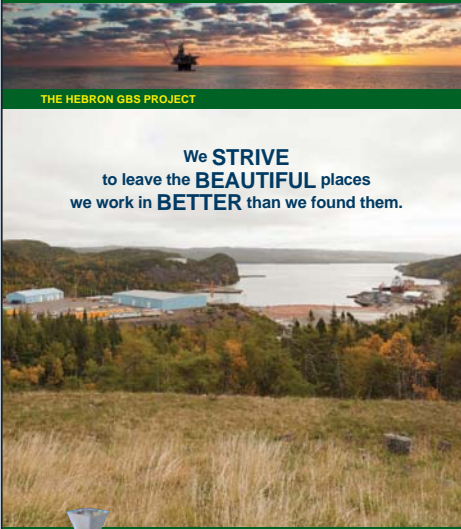
Zero harm ...
to people
the environment
and assets


OneWay™
to zero harm
www.worleyparsons.com

 **World Leaders
in Gravity Based Structures**

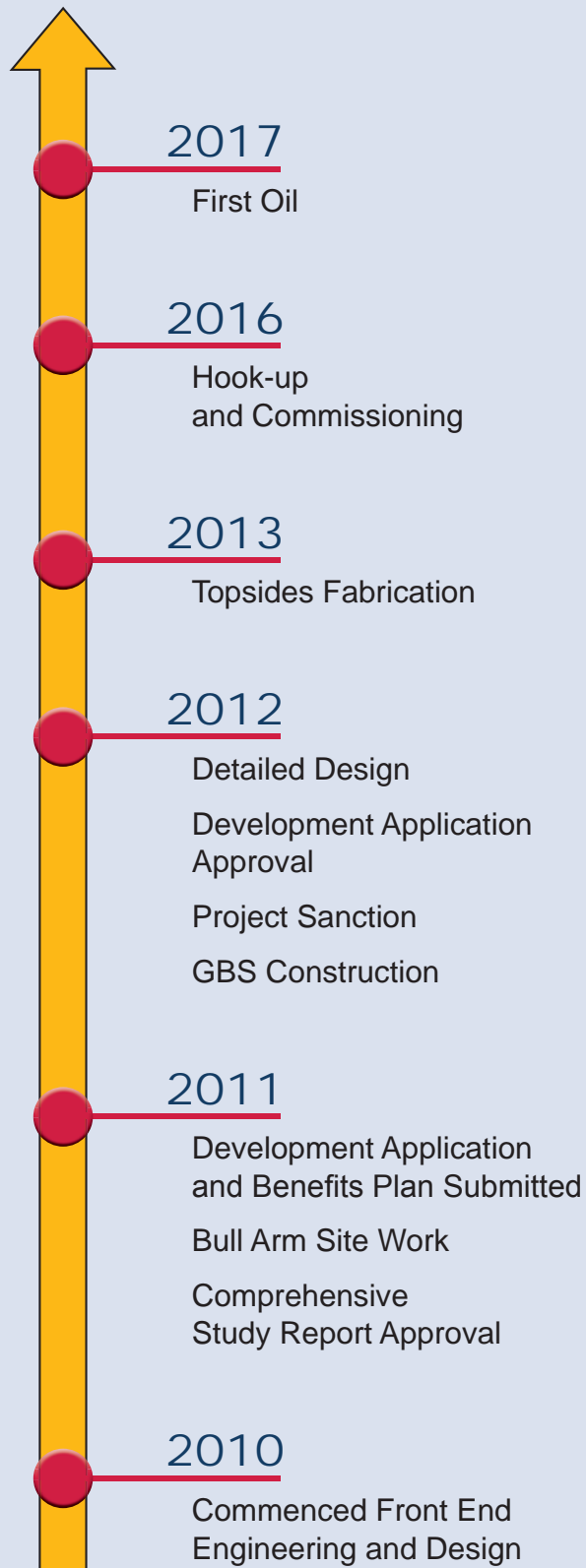
THE HEBRON GBS PROJECT

We **STRIVE**
to leave the **BEAUTIFUL** places
we work in **BETTER** than we found them.



 **Kiewit-Kvaerner Contractors**
www.kkc-gbs.com

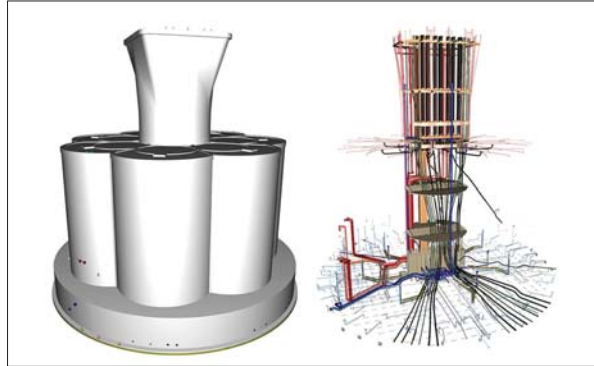
Hebron Project Milestones



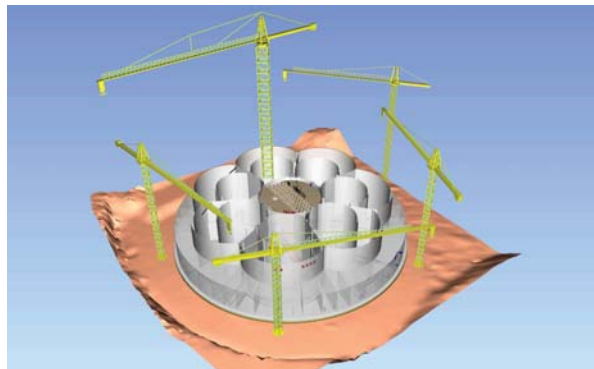
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World Class GBS Execution

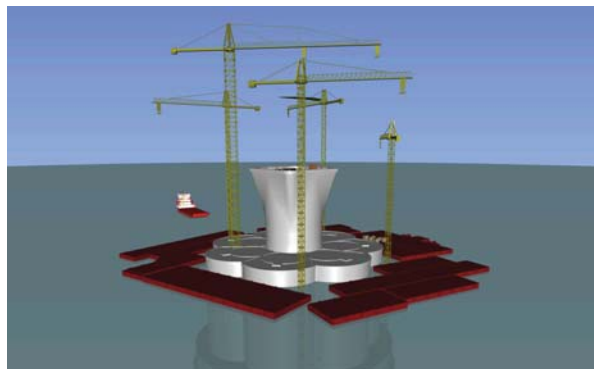
Engineering, Procurement and Construction of a Gravity Based Structure



Concrete with Mechanical Outfitting Inside



Construction in Dry Dock



Construction at Deep Water Site